



Performance Data Sheet

AVD5548EXN

General Information

Model	AVD5548EXN	Refrigerant	R-22
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PTCS_CR

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
-15	Btu/h	12700	11400					
	Watts	1530	1720					
	Amps	6.70	7.60					
	Lb/h	162	153					
-10	Btu/h	15800	14300	12800				
	Watts	1750	1920	2060				
	Amps	7.68	8.49	9.13				
	Lb/h	201	191	179				
-5	Btu/h	19000	17400	15800	14100			
	Watts	1940	2100	2240	2330			
	Amps	8.57	9.31	9.92	10.3			
	Lb/h	241	230	218	204			
0	Btu/h	22500	20700	18900	17000	15100		
	Watts	2120	2270	2400	2500	2550		
	Amps	9.37	10.1	10.7	11.1	11.3		
	Lb/h	284	272	259	244	227		
5	Btu/h	26200	24200	22200	20100	18000		
	Watts	2280	2420	2560	2660	2730		
	Amps	10.1	10.7	11.3	11.8	12.1		
	Lb/h	329	316	302	286	268		
10	Btu/h	30200	28000	25700	23500	21200	18900	16600
	Watts	2420	2560	2700	2820	2910	2940	2920
	Amps	10.7	11.4	12.0	12.5	12.9	13.0	12.9
	Lb/h	377	363	347	330	312	292	270
15	Btu/h	34500	32000	29600	27100	24600	22100	19600
	Watts	2540	2680	2830	2960	3080	3150	3160
	Amps	11.2	11.9	12.6	13.2	13.6	13.9	14.0
	Lb/h	428	413	396	378	359	338	315
20	Btu/h	39200	36500	33700	31000	28200	25500	22800
	Watts	2640	2780	2940	3100	3240	3350	3410
	Amps	11.7	12.4	13.1	13.8	14.4	14.8	15.1
	Lb/h	483	466	449	430	409	388	364

25	Btu/h	44300	41200	38200	35200	32200	29200	26200
	Watts	2710	2860	3040	3230	3400	3550	3660
	Amps	12.0	12.7	13.5	14.3	15.1	15.7	16.2
	Lb/h	542	524	505	485	464	441	417
30	Btu/h	49800	46400	43100	39800	36500	33200	30000
	Watts	2770	2930	3130	3340	3550	3750	3910
	Amps	12.3	13.0	13.9	14.9	15.8	16.6	17.3
	Lb/h	606	587	566	545	522	499	473
35	Btu/h	55800	52100	48500	44800	41200	37700	34100
	Watts	2800	2980	3200	3450	3700	3940	4160
	Amps	12.4	13.3	14.3	15.3	16.4	17.5	18.4
	Lb/h	675	654	632	610	586	561	535
40	Btu/h	62300	58200	54200	50300	46300	42500	38600
	Watts	2810	3010	3260	3540	3840	4130	4410
	Amps	12.5	13.4	14.5	15.8	17.1	18.3	19.6
	Lb/h	750	727	704	679	654	628	601
45	Btu/h	69300	64900	60500	56200	51900	47700	43500
	Watts	2810	3030	3310	3630	3970	4320	4660
	Amps	12.4	13.4	14.7	16.1	17.7	19.2	20.7
	Lb/h	830	806	781	755	728	701	672
50	Btu/h	76900	72100	67400	62700	58000	53400	48900
	Watts	2770	3020	3340	3700	4090	4500	4910
	Amps	12.2	13.4	14.8	16.5	18.2	20.0	21.9
	Lb/h	917	890	864	836	808	779	750
55	Btu/h	85200	80000	74800	69700	64600	59700	54700
	Watts	2720	3000	3350	3760	4210	4680	5160
	Amps	11.9	13.3	14.9	16.7	18.7	20.8	23.0
	Lb/h	1010	982	953	924	895	864	833

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.421066E+04	2.338670E+03	7.307074E+00	3.305606E+02
C2	1.085398E+03	1.060494E+02	4.691192E-01	1.113294E+01
C3	-1.099099E+02	-3.819179E+01	-8.562827E-02	-1.801498E-01
C4	8.457622E+00	-9.879430E-01	-4.649886E-03	6.425553E-02
C5	-5.306760E+00	-1.559479E+00	-6.767090E-03	-3.859960E-02
C6	-5.528327E-01	6.655724E-01	2.199171E-03	-3.822392E-03
C7	4.998903E-02	-2.665127E-04	-2.819744E-06	5.534531E-04
C8	-4.363971E-02	7.324152E-03	3.609987E-05	-1.653496E-04
C9	8.604241E-03	8.202612E-03	3.504610E-05	1.060455E-04
C10	1.176534E-03	-2.773093E-03	-1.008064E-05	-1.573858E-05

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature